

Release notes for ENDF/B Development n-096_Cm_246
evaluation



April 26, 2017

- groupie Errors:

1. Very small elastic cross section found
0: Small elastic

```
Multi-Group and Multi-Band Parameters from ENDF/B Data (GROUPIE 2015-2)
```

```
ENDF/B Input and Output Data Filenames
ENDFB.IN
ENDFB.OUT
... [97 more lines]
```

- fudge-4.0 Warnings:

1. Missing a channel with a particular angular momenta combination
resonances / resolved / MultiLevel_BreitWigner (Error # 0): missingResonanceChannel

```
WARNING: Missing a channel with angular momenta combination L = 0, J = 1.5 and S = 1.5 for "capture"
```

2. Potential scattering hasn't converted, you need more L's!
resonances / resolved (Error # 1): potentialScatteringNotConverged

```
WARNING: Potential scattering hasn't converged by L=0 at E=400.0 eV, xs[0]/xs[0]=100.0% > 0.1%
```

3. Cross section does not match sum of linked reaction cross sections
crossSectionSum label 0: total (Error # 0): CS Sum.

```
WARNING: Cross section does not match sum of linked reaction cross sections! Max diff: 0.54%
```

4. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.
Section 1 (n[multiplicity:'energyDependent', emissionMode:'prompt'] + n[emissionMode:'1 delayed'] + gamma [total fission] [nubar]): / Form 'eval': (Error # 0): Condition num.

```
WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small
```

5. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.
Section 2 (n[multiplicity:'energyDependent', emissionMode:'prompt'] + n[emissionMode:'1 delayed'] + gamma [total fission] [nubar]): / Form 'eval': (Error # 0): Condition num.

```
WARNING: Ratio of smallest/largest eigenvalue (3.016972e-09) is too small
```

6. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.
Section 3 (total): / Form 'eval': / Component 0 (Error # 0): Condition num.

```
WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small
```

7. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.
Section 3 (total): / Form 'eval': / Component 1 (Error # 0): Condition num.

```
WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small
```

8. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.

Section 4 (n + Cm246): / Form 'eval': / Component 0 (Error # 0): Condition num.

WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small

9. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.

Section 4 (n + Cm246): / Form 'eval': / Component 1 (Error # 0): Condition num.

WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small

10. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.

Section 8 (n[multiplicity:'energyDependent', emissionMode:'prompt'] + n[emissionMode:'1 delayed'] + gamma [total fission]): / Form 'eval': / Component 0 (Error # 0): Condition num.

WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small

11. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.

Section 8 (n[multiplicity:'energyDependent', emissionMode:'prompt'] + n[emissionMode:'1 delayed'] + gamma [total fission]): / Form 'eval': / Component 1 (Error # 0): Condition num.

WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small

12. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.

Section 9 (n + (Cm246_e1 -> Cm246 + gamma)): / Form 'eval': (Error # 0): Condition num.

WARNING: Ratio of smallest/largest eigenvalue (2.906985e-09) is too small

13. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.

Section 10 (n + (Cm246_e2 -> Cm246 + gamma)): / Form 'eval': (Error # 0): Condition num.

WARNING: Ratio of smallest/largest eigenvalue (7.387301e-09) is too small

14. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.

Section 11 (n + (Cm246_e3 -> Cm246 + gamma)): / Form 'eval': (Error # 0): Condition num.

WARNING: Ratio of smallest/largest eigenvalue (3.953506e-09) is too small

15. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.

Section 12 (n + (Cm246_e4 -> Cm246 + gamma)): / Form 'eval': (Error # 0): Condition num.

WARNING: Ratio of smallest/largest eigenvalue (2.078528e-09) is too small

16. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.

Section 13 ($n + (Cm246_e5 \rightarrow Cm246 + \gamma)$): / Form 'eval': (Error # 0): Condition num.

WARNING: Ratio of smallest/largest eigenvalue (2.377413e-09) is too small

17. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.

Section 14 ($n + (Cm246_e6 \rightarrow Cm246 + \gamma)$): / Form 'eval': (Error # 0): Condition num.

WARNING: Ratio of smallest/largest eigenvalue (3.394759e-09) is too small

18. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.

Section 15 ($n + (Cm246_e7 \rightarrow Cm246 + \gamma)$): / Form 'eval': (Error # 0): Condition num.

WARNING: Ratio of smallest/largest eigenvalue (6.453333e-09) is too small

19. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.

Section 16 ($n + (Cm246_e8 \rightarrow Cm246 + \gamma)$): / Form 'eval': (Error # 0): Condition num.

WARNING: Ratio of smallest/largest eigenvalue (6.789756e-09) is too small

20. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.

Section 17 ($n + (Cm246_e9 \rightarrow Cm246 + \gamma)$): / Form 'eval': (Error # 0): Condition num.

WARNING: Ratio of smallest/largest eigenvalue (9.579014e-11) is too small

21. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.

Section 18 ($n + (Cm246_e10 \rightarrow Cm246 + \gamma)$): / Form 'eval': (Error # 0): Condition num.

WARNING: Ratio of smallest/largest eigenvalue (4.068456e-09) is too small

22. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.

Section 19 ($n + (Cm246_e11 \rightarrow Cm246 + \gamma)$): / Form 'eval': (Error # 0): Condition num.

WARNING: Ratio of smallest/largest eigenvalue (8.295205e-09) is too small

23. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.

Section 20 ($n + (Cm246_e12 \rightarrow Cm246 + \gamma)$): / Form 'eval': (Error # 0): Condition num.

WARNING: Ratio of smallest/largest eigenvalue (7.284051e-09) is too small

24. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.

Section 22 ($n + (Cm246_e14 \rightarrow Cm246 + \gamma)$): / Form 'eval': (Error # 0): Condition num.

WARNING: Ratio of smallest/largest eigenvalue (6.197866e-09) is too small

25. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.

Section 23 ($n + (Cm246_e15 \rightarrow Cm246 + \gamma)$): / Form 'eval': (Error # 0): Condition num.

WARNING: Ratio of smallest/largest eigenvalue (1.985841e-09) is too small

26. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.

Section 24 ($n + (Cm246_e16 \rightarrow Cm246 + \gamma)$): / Form 'eval': (Error # 0): Condition num.

WARNING: Ratio of smallest/largest eigenvalue (1.603252e-09) is too small

27. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.

Section 25 ($n + (Cm246_e17 \rightarrow Cm246 + \gamma)$): / Form 'eval': (Error # 0): Condition num.

WARNING: Ratio of smallest/largest eigenvalue (1.182883e-09) is too small

28. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.

Section 26 ($n + (Cm246_e18 \rightarrow Cm246 + \gamma)$): / Form 'eval': (Error # 0): Condition num.

WARNING: Ratio of smallest/largest eigenvalue (3.718818e-09) is too small

29. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.

Section 27 ($n + (Cm246_e19 \rightarrow Cm246 + \gamma)$): / Form 'eval': (Error # 0): Condition num.

WARNING: Ratio of smallest/largest eigenvalue (5.227837e-10) is too small

30. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.

Section 28 ($n + (Cm246_e20 \rightarrow Cm246 + \gamma)$): / Form 'eval': (Error # 0): Condition num.

WARNING: Ratio of smallest/largest eigenvalue (1.144250e-09) is too small

31. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.

Section 29 ($n + (Cm246_e21 \rightarrow Cm246 + \gamma)$): / Form 'eval': (Error # 0): Condition num.

WARNING: Ratio of smallest/largest eigenvalue (3.157121e-09) is too small

32. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.

Section 30 ($n + (Cm246_e22 \rightarrow Cm246 + \gamma)$): / Form 'eval': (Error # 0): Condition num.

WARNING: Ratio of smallest/largest eigenvalue (8.792965e-09) is too small

33. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.

Section 31 ($n + (Cm246_e23 \rightarrow Cm246 + \gamma)$): / Form 'eval': (Error # 0): Condition num.

WARNING: Ratio of smallest/largest eigenvalue (9.185064e-09) is too small

34. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.

Section 32 ($n + (Cm246_e24 \rightarrow Cm246 + \gamma)$): / Form 'eval': (Error # 0): Condition num.

WARNING: Ratio of smallest/largest eigenvalue (7.275574e-10) is too small

35. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.

Section 33 ($n + (Cm246_e25 \rightarrow Cm246 + \gamma)$): / Form 'eval': (Error # 0): Condition num.

WARNING: Ratio of smallest/largest eigenvalue (3.555412e-09) is too small

36. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.

Section 34 ($n + (Cm246_e26 \rightarrow Cm246 + \gamma)$): / Form 'eval': (Error # 0): Condition num.

WARNING: Ratio of smallest/largest eigenvalue (5.344941e-09) is too small

37. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.

Section 35 ($n + (Cm246_e27 \rightarrow Cm246 + \gamma)$): / Form 'eval': (Error # 0): Condition num.

WARNING: Ratio of smallest/largest eigenvalue (7.102283e-09) is too small

38. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.

Section 36 ($n + (Cm246_e28 \rightarrow Cm246 + \gamma)$): / Form 'eval': (Error # 0): Condition num.

WARNING: Ratio of smallest/largest eigenvalue (1.843918e-09) is too small

39. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.

Section 37 ($n + (Cm246_e29 \rightarrow Cm246 + \gamma)$): / Form 'eval': (Error # 0): Condition num.

WARNING: Ratio of smallest/largest eigenvalue (2.891369e-09) is too small

40. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.

Section 38 ($n + (Cm246_e30 \rightarrow Cm246 + \text{gamma})$): / Form 'eval': (Error # 0): Condition num.

WARNING: Ratio of smallest/largest eigenvalue (5.930540e-09) is too small

41. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.

Section 39 ($n + (Cm246_c \rightarrow Cm246 + \text{gamma})$): / Form 'eval': (Error # 0): Condition num.

WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small

42. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.

Section 40 ($Cm247 + \text{gamma}$): / Form 'eval': / Component 0 (Error # 0): Condition num.

WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small

43. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.

Section 40 ($Cm247 + \text{gamma}$): / Form 'eval': / Component 1 (Error # 0): Condition num.

WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small

44. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.

Section 41 ($n + Cm246$ [angular distribution]): / Form 'eval': (Error # 1): Condition num.

WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small

45. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.

Section 42 ($n[\text{multiplicity}:\text{'energyDependent'}, \text{emissionMode}:\text{'prompt'}] + n[\text{emissionMode}:\text{'1 delayed'}] + \text{gamma} [\text{total fission}] [\text{spectrum}]$): / Form 'eval': (Error # 0): Condition num.

WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small

46. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.

Section 43 ($n[\text{multiplicity}:\text{'energyDependent'}, \text{emissionMode}:\text{'prompt'}] + n[\text{emissionMode}:\text{'1 delayed'}] + \text{gamma} [\text{total fission}] [\text{spectrum}]$): / Form 'eval': (Error # 0): Condition num.

WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small

47. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.

Section 44 ($n[\text{multiplicity}:\text{'energyDependent'}, \text{emissionMode}:\text{'prompt'}] + n[\text{emissionMode}:\text{'1 delayed'}] + \text{gamma} [\text{total fission}] [\text{spectrum}]$): / Form 'eval': (Error # 0): Condition num.

```
WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small
```

48. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.
Section 45 (n[multiplicity:'energyDependent', emissionMode:'prompt'] + n[emissionMode:'1 delayed'] + gamma [total fission] [spectrum]): / Form 'eval': (Error # 0): Condition num.

```
WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small
```

49. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.
Section 46 (n[multiplicity:'energyDependent', emissionMode:'prompt'] + n[emissionMode:'1 delayed'] + gamma [total fission] [spectrum]): / Form 'eval': (Error # 0): Condition num.

```
WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small
```

50. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.
Section 47 (n[multiplicity:'energyDependent', emissionMode:'prompt'] + n[emissionMode:'1 delayed'] + gamma [total fission] [spectrum]): / Form 'eval': (Error # 0): Condition num.

```
WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small
```

51. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.
Section 48 (n[multiplicity:'energyDependent', emissionMode:'prompt'] + n[emissionMode:'1 delayed'] + gamma [total fission] [spectrum]): / Form 'eval': (Error # 0): Condition num.

```
WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small
```

- **fudge-4.0 Errors:**

1. Duplicate Eout in outgoing distribution
Reading ENDF file: ../n-096_Cm_246.endf (Error # 0): Bad Eout

```
WARNING: skipping duplicate e_out = 5155960.0, ii = 129 1 100.0
WARNING: skipping duplicate e_out = 5160840.0, ii = 129 9 5000.0
```

2. Energy range of data set does not match cross section range
reaction label 31: n + (Cm246_c ->Cm246 + gamma) / Product: Cm246_c / Decay product: gamma_a / Multiplicity: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (985021.0 -> 20000000.0) vs (115000.0 -> 20000000.0)
```

3. Energy range of data set does not match cross section range
reaction label 31: n + (Cm246_c ->Cm246 + gamma) / Product: Cm246_c / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (985021.0 -> 20000000.0) vs (115000.0 -> 20000000.0)
```

```
WARNING: Domain doesn't match the cross section domain: (170000.0 -> 20000000.0) vs (115000.0 -> 20000000.0)
```

```
WARNING: Domain doesn't match the cross section domain: (1055410.0 -> 20000000.0) vs (115000.0 -> 20000000.0)
```

```
WARNING: Domain doesn't match the cross section domain: (1170270.0 -> 20000000.0) vs (115000.0 -> 20000000.0)
```

```
... plus 67 more instances of this message
```

4. Energy range of data set does not match cross section range
reaction label 31: n + (Cm246_c ->Cm246 + gamma) / Product: Cm246_c / Decay product: gamma_b / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (170000.0 -> 20000000.0) vs (115000.0 -> 20000000.0)
5. Energy range of data set does not match cross section range
reaction label 31: n + (Cm246_c ->Cm246 + gamma) / Product: Cm246_c / Decay product: gamma_c / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (1055410.0 -> 20000000.0) vs (115000.0 -> 20000000.0)
6. Energy range of data set does not match cross section range
reaction label 31: n + (Cm246_c ->Cm246 + gamma) / Product: Cm246_c / Decay product: gamma_d / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (1170270.0 -> 20000000.0) vs (115000.0 -> 20000000.0)
7. Energy range of data set does not match cross section range
reaction label 31: n + (Cm246_c ->Cm246 + gamma) / Product: Cm246_c / Decay product: gamma_e / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (1055410.0 -> 20000000.0) vs (115000.0 -> 20000000.0)
8. Energy range of data set does not match cross section range
reaction label 31: n + (Cm246_c ->Cm246 + gamma) / Product: Cm246_c / Decay product: gamma_f / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (1600000.0 -> 20000000.0) vs (115000.0 -> 20000000.0)
9. Energy range of data set does not match cross section range
reaction label 31: n + (Cm246_c ->Cm246 + gamma) / Product: Cm246_c / Decay product: gamma_g / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (296109.0 -> 20000000.0) vs (115000.0 -> 20000000.0)
10. Energy range of data set does not match cross section range
reaction label 31: n + (Cm246_c ->Cm246 + gamma) / Product: Cm246_c / Decay product: gamma_h / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (1345690.0 -> 20000000.0) vs (115000.0 -> 20000000.0)
11. Energy range of data set does not match cross section range
reaction label 31: n + (Cm246_c ->Cm246 + gamma) / Product: Cm246_c / Decay product: gamma_i / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (1294580.0 -> 20000000.0) vs (115000.0 -> 20000000.0)
12. Energy range of data set does not match cross section range
reaction label 31: n + (Cm246_c ->Cm246 + gamma) / Product: Cm246_c / Decay product: gamma_j / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (1170270.0 -> 20000000.0) vs (115000.0 -> 20000000.0)

13. Energy range of data set does not match cross section range
reaction label 31: n + (Cm246_c ->Cm246 + gamma) / Product: Cm246_c / Decay
product: gamma_k / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (1170270.0 -> 20000000.0) vs (115000.0 -> 20000000.0)

14. Energy range of data set does not match cross section range
reaction label 31: n + (Cm246_c ->Cm246 + gamma) / Product: Cm246_c / Decay
product: gamma_l / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (400000.0 -> 20000000.0) vs (115000.0 -> 20000000.0)

15. Energy range of data set does not match cross section range
reaction label 31: n + (Cm246_c ->Cm246 + gamma) / Product: Cm246_c / Decay
product: gamma_m / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (1372230.0 -> 20000000.0) vs (115000.0 -> 20000000.0)

16. Energy range of data set does not match cross section range
reaction label 31: n + (Cm246_c ->Cm246 + gamma) / Product: Cm246_c / Decay
product: gamma_n / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (700000.0 -> 20000000.0) vs (115000.0 -> 20000000.0)

17. Energy range of data set does not match cross section range
reaction label 31: n + (Cm246_c ->Cm246 + gamma) / Product: Cm246_c / Decay
product: gamma_o / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (1215490.0 -> 20000000.0) vs (115000.0 -> 20000000.0)

18. Energy range of data set does not match cross section range
reaction label 31: n + (Cm246_c ->Cm246 + gamma) / Product: Cm246_c / Decay
product: gamma_p / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (1600000.0 -> 20000000.0) vs (115000.0 -> 20000000.0)

19. Energy range of data set does not match cross section range
reaction label 31: n + (Cm246_c ->Cm246 + gamma) / Product: Cm246_c / Decay
product: gamma_q / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (1600000.0 -> 20000000.0) vs (115000.0 -> 20000000.0)

20. Energy range of data set does not match cross section range
reaction label 31: n + (Cm246_c ->Cm246 + gamma) / Product: Cm246_c / Decay
product: gamma_r / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (1254890.0 -> 20000000.0) vs (115000.0 -> 20000000.0)

21. Energy range of data set does not match cross section range
reaction label 31: n + (Cm246_c ->Cm246 + gamma) / Product: Cm246_c / Decay
product: gamma_s / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (1600000.0 -> 20000000.0) vs (115000.0 -> 20000000.0)

22. Energy range of data set does not match cross section range
reaction label 31: n + (Cm246_c ->Cm246 + gamma) / Product: Cm246_c / Decay
product: gamma_t / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (1215490.0 -> 20000000.0) vs (115000.0 -> 20000000.0)
23. Energy range of data set does not match cross section range
reaction label 31: n + (Cm246_c ->Cm246 + gamma) / Product: Cm246_c / Decay
product: gamma_u / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (1600000.0 -> 20000000.0) vs (115000.0 -> 20000000.0)
24. Energy range of data set does not match cross section range
reaction label 31: n + (Cm246_c ->Cm246 + gamma) / Product: Cm246_c / Decay
product: gamma_v / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (1600000.0 -> 20000000.0) vs (115000.0 -> 20000000.0)
25. Energy range of data set does not match cross section range
reaction label 31: n + (Cm246_c ->Cm246 + gamma) / Product: Cm246_c / Decay
product: gamma_w / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (1294580.0 -> 20000000.0) vs (115000.0 -> 20000000.0)
26. Energy range of data set does not match cross section range
reaction label 31: n + (Cm246_c ->Cm246 + gamma) / Product: Cm246_c / Decay
product: gamma_x / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (1372230.0 -> 20000000.0) vs (115000.0 -> 20000000.0)
27. Energy range of data set does not match cross section range
reaction label 31: n + (Cm246_c ->Cm246 + gamma) / Product: Cm246_c / Decay
product: gamma_y / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (1600000.0 -> 20000000.0) vs (115000.0 -> 20000000.0)
28. Energy range of data set does not match cross section range
reaction label 31: n + (Cm246_c ->Cm246 + gamma) / Product: Cm246_c / Decay
product: gamma_z / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (1372230.0 -> 20000000.0) vs (115000.0 -> 20000000.0)
29. Energy range of data set does not match cross section range
reaction label 31: n + (Cm246_c ->Cm246 + gamma) / Product: Cm246_c / Decay
product: gamma_aa / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (1600000.0 -> 20000000.0) vs (115000.0 -> 20000000.0)
30. Energy range of data set does not match cross section range
reaction label 31: n + (Cm246_c ->Cm246 + gamma) / Product: Cm246_c / Decay
product: gamma_ab / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (1600000.0 -> 20000000.0) vs (115000.0 -> 20000000.0)

31. Energy range of data set does not match cross section range
reaction label 31: n + (Cm246_c ->Cm246 + gamma) / Product: Cm246_c / Decay
product: gamma_ac / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (1600000.0 -> 20000000.0) vs (115000.0 -> 20000000.0)
32. Energy range of data set does not match cross section range
reaction label 31: n + (Cm246_c ->Cm246 + gamma) / Product: Cm246_c / Decay
product: gamma_ad / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (1600000.0 -> 20000000.0) vs (115000.0 -> 20000000.0)
33. Energy range of data set does not match cross section range
reaction label 31: n + (Cm246_c ->Cm246 + gamma) / Product: Cm246_c / Decay
product: gamma_ae / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (1600000.0 -> 20000000.0) vs (115000.0 -> 20000000.0)
34. Energy range of data set does not match cross section range
reaction label 31: n + (Cm246_c ->Cm246 + gamma) / Product: Cm246_c / Decay
product: gamma_af / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (1254890.0 -> 20000000.0) vs (115000.0 -> 20000000.0)
35. Energy range of data set does not match cross section range
reaction label 31: n + (Cm246_c ->Cm246 + gamma) / Product: Cm246_c / Decay
product: gamma_ag / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (1294580.0 -> 20000000.0) vs (115000.0 -> 20000000.0)
36. Energy range of data set does not match cross section range
reaction label 31: n + (Cm246_c ->Cm246 + gamma) / Product: Cm246_c / Decay
product: gamma_ah / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (1109390.0 -> 20000000.0) vs (115000.0 -> 20000000.0)
37. Energy range of data set does not match cross section range
reaction label 31: n + (Cm246_c ->Cm246 + gamma) / Product: Cm246_c / Decay
product: gamma_ai / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (985021.0 -> 20000000.0) vs (115000.0 -> 20000000.0)
38. Energy range of data set does not match cross section range
reaction label 31: n + (Cm246_c ->Cm246 + gamma) / Product: Cm246_c / Decay
product: gamma_aj / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (1170270.0 -> 20000000.0) vs (115000.0 -> 20000000.0)
39. Energy range of data set does not match cross section range
reaction label 31: n + (Cm246_c ->Cm246 + gamma) / Product: Cm246_c / Decay
product: gamma_ak / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (1055410.0 -> 20000000.0) vs (115000.0 -> 20000000.0)

40. Energy range of data set does not match cross section range
reaction label 31: n + (Cm246_c ->Cm246 + gamma) / Product: Cm246_c / Decay
product: gamma_al / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (985021.0 -> 20000000.0) vs (115000.0 -> 20000000.0)
41. Energy range of data set does not match cross section range
reaction label 31: n + (Cm246_c ->Cm246 + gamma) / Product: Cm246_c / Decay
product: gamma_am / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (985021.0 -> 20000000.0) vs (115000.0 -> 20000000.0)
42. Energy range of data set does not match cross section range
reaction label 31: n + (Cm246_c ->Cm246 + gamma) / Product: Cm246_c / Decay
product: gamma_an / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (1254890.0 -> 20000000.0) vs (115000.0 -> 20000000.0)
43. Energy range of data set does not match cross section range
reaction label 31: n + (Cm246_c ->Cm246 + gamma) / Product: Cm246_c / Decay
product: gamma_ao / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (1109390.0 -> 20000000.0) vs (115000.0 -> 20000000.0)
44. Energy range of data set does not match cross section range
reaction label 31: n + (Cm246_c ->Cm246 + gamma) / Product: Cm246_c / Decay
product: gamma_ap / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (1345690.0 -> 20000000.0) vs (115000.0 -> 20000000.0)
45. Energy range of data set does not match cross section range
reaction label 31: n + (Cm246_c ->Cm246 + gamma) / Product: Cm246_c / Decay
product: gamma_aq / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (1215490.0 -> 20000000.0) vs (115000.0 -> 20000000.0)
46. Energy range of data set does not match cross section range
reaction label 31: n + (Cm246_c ->Cm246 + gamma) / Product: Cm246_c / Decay
product: gamma_ar / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (1254890.0 -> 20000000.0) vs (115000.0 -> 20000000.0)
47. Energy range of data set does not match cross section range
reaction label 31: n + (Cm246_c ->Cm246 + gamma) / Product: Cm246_c / Decay
product: gamma_as / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (1254890.0 -> 20000000.0) vs (115000.0 -> 20000000.0)
48. Energy range of data set does not match cross section range
reaction label 31: n + (Cm246_c ->Cm246 + gamma) / Product: Cm246_c / Decay
product: gamma_at / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (1294580.0 -> 20000000.0) vs (115000.0 -> 20000000.0)

49. Energy range of data set does not match cross section range
reaction label 31: n + (Cm246_c ->Cm246 + gamma) / Product: Cm246_c / Decay
product: gamma_au / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (1215490.0 -> 20000000.0) vs (115000.0 -> 20000000.0)
50. Energy range of data set does not match cross section range
reaction label 31: n + (Cm246_c ->Cm246 + gamma) / Product: Cm246_c / Decay
product: gamma_av / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (1215490.0 -> 20000000.0) vs (115000.0 -> 20000000.0)
51. Energy range of data set does not match cross section range
reaction label 31: n + (Cm246_c ->Cm246 + gamma) / Product: Cm246_c / Decay
product: gamma_aw / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (1215490.0 -> 20000000.0) vs (115000.0 -> 20000000.0)
52. Energy range of data set does not match cross section range
reaction label 31: n + (Cm246_c ->Cm246 + gamma) / Product: Cm246_c / Decay
product: gamma_ax / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (1254890.0 -> 20000000.0) vs (115000.0 -> 20000000.0)
53. Energy range of data set does not match cross section range
reaction label 31: n + (Cm246_c ->Cm246 + gamma) / Product: Cm246_c / Decay
product: gamma_ay / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (1254890.0 -> 20000000.0) vs (115000.0 -> 20000000.0)
54. Energy range of data set does not match cross section range
reaction label 31: n + (Cm246_c ->Cm246 + gamma) / Product: Cm246_c / Decay
product: gamma_az / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (1294580.0 -> 20000000.0) vs (115000.0 -> 20000000.0)
55. Energy range of data set does not match cross section range
reaction label 31: n + (Cm246_c ->Cm246 + gamma) / Product: Cm246_c / Decay
product: gamma_ba / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (1254890.0 -> 20000000.0) vs (115000.0 -> 20000000.0)
56. Energy range of data set does not match cross section range
reaction label 31: n + (Cm246_c ->Cm246 + gamma) / Product: Cm246_c / Decay
product: gamma_bb / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (1294580.0 -> 20000000.0) vs (115000.0 -> 20000000.0)
57. Energy range of data set does not match cross section range
reaction label 31: n + (Cm246_c ->Cm246 + gamma) / Product: Cm246_c / Decay
product: gamma_bc / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (1600000.0 -> 20000000.0) vs (115000.0 -> 20000000.0)

58. Energy range of data set does not match cross section range
reaction label 31: n + (Cm246_c ->Cm246 + gamma) / Product: Cm246_c / Decay
product: gamma_bd / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (1322970.0 -> 20000000.0) vs (115000.0 -> 20000000.0)
59. Energy range of data set does not match cross section range
reaction label 31: n + (Cm246_c ->Cm246 + gamma) / Product: Cm246_c / Decay
product: gamma_be / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (1345690.0 -> 20000000.0) vs (115000.0 -> 20000000.0)
60. Energy range of data set does not match cross section range
reaction label 31: n + (Cm246_c ->Cm246 + gamma) / Product: Cm246_c / Decay
product: gamma_bf / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (1345690.0 -> 20000000.0) vs (115000.0 -> 20000000.0)
61. Energy range of data set does not match cross section range
reaction label 31: n + (Cm246_c ->Cm246 + gamma) / Product: Cm246_c / Decay
product: gamma_bg / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (1600000.0 -> 20000000.0) vs (115000.0 -> 20000000.0)
62. Energy range of data set does not match cross section range
reaction label 31: n + (Cm246_c ->Cm246 + gamma) / Product: Cm246_c / Decay
product: gamma_bh / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (1372230.0 -> 20000000.0) vs (115000.0 -> 20000000.0)
63. Energy range of data set does not match cross section range
reaction label 31: n + (Cm246_c ->Cm246 + gamma) / Product: Cm246_c / Decay
product: gamma_bi / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (1322970.0 -> 20000000.0) vs (115000.0 -> 20000000.0)
64. Energy range of data set does not match cross section range
reaction label 31: n + (Cm246_c ->Cm246 + gamma) / Product: Cm246_c / Decay
product: gamma_bj / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (1600000.0 -> 20000000.0) vs (115000.0 -> 20000000.0)
65. Energy range of data set does not match cross section range
reaction label 31: n + (Cm246_c ->Cm246 + gamma) / Product: Cm246_c / Decay
product: gamma_bk / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (1372230.0 -> 20000000.0) vs (115000.0 -> 20000000.0)
66. Energy range of data set does not match cross section range
reaction label 31: n + (Cm246_c ->Cm246 + gamma) / Product: Cm246_c / Decay
product: gamma_bl / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (1600000.0 -> 20000000.0) vs (115000.0 -> 20000000.0)

67. Energy range of data set does not match cross section range
reaction label 31: n + (Cm246_c ->Cm246 + gamma) / Product: Cm246_c / Decay product: gamma_bm / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (1600000.0 -> 20000000.0) vs (115000.0 -> 20000000.0)
68. Energy range of data set does not match cross section range
reaction label 31: n + (Cm246_c ->Cm246 + gamma) / Product: Cm246_c / Decay product: gamma_bn / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (1402730.0 -> 20000000.0) vs (115000.0 -> 20000000.0)
69. Energy range of data set does not match cross section range
reaction label 31: n + (Cm246_c ->Cm246 + gamma) / Product: Cm246_c / Decay product: gamma_bo / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (1600000.0 -> 20000000.0) vs (115000.0 -> 20000000.0)
70. Energy range of data set does not match cross section range
reaction label 31: n + (Cm246_c ->Cm246 + gamma) / Product: Cm246_c / Decay product: gamma_bp / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (1600000.0 -> 20000000.0) vs (115000.0 -> 20000000.0)
71. Energy range of data set does not match cross section range
reaction label 31: n + (Cm246_c ->Cm246 + gamma) / Product: Cm246_c / Decay product: gamma_bq / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (1600000.0 -> 20000000.0) vs (115000.0 -> 20000000.0)
72. Energy range of data set does not match cross section range
reaction label 31: n + (Cm246_c ->Cm246 + gamma) / Product: Cm246_c / Decay product: gamma_br / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (1600000.0 -> 20000000.0) vs (115000.0 -> 20000000.0)
73. Energy range of data set does not match cross section range
reaction label 31: n + (Cm246_c ->Cm246 + gamma) / Product: Cm246_c / Decay product: gamma_bs / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (1600000.0 -> 20000000.0) vs (115000.0 -> 20000000.0)
74. Calculated and tabulated Q values disagree.
reaction label 32: n[multiplicity:'2'] + Cm245 + gamma (Error # 0): Q mismatch
- WARNING: Calculated and tabulated Q-values disagree: -6822239.317504883 eV vs -6457580. eV!
75. Energy range of data set does not match cross section range
reaction label 32: n[multiplicity:'2'] + Cm245 + gamma / Product: gamma_a / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7000000.0 -> 20000000.0) vs (6484050.0 -> 20000000.0)

76. Energy range of data set does not match cross section range
reaction label 32: n[multiplicity:'2'] + Cm245 + gamma / Product: gamma_a / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7000000.0 -> 20000000.0) vs (6484050.0 -> 20000000.0)
77. Energy range of data set does not match cross section range
reaction label 32: n[multiplicity:'2'] + Cm245 + gamma / Product: gamma_b / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6484050.0 -> 20000000.0)
78. Energy range of data set does not match cross section range
reaction label 32: n[multiplicity:'2'] + Cm245 + gamma / Product: gamma_b / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6484050.0 -> 20000000.0)
79. Energy range of data set does not match cross section range
reaction label 32: n[multiplicity:'2'] + Cm245 + gamma / Product: gamma_c / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6484050.0 -> 20000000.0)
80. Energy range of data set does not match cross section range
reaction label 32: n[multiplicity:'2'] + Cm245 + gamma / Product: gamma_c / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6484050.0 -> 20000000.0)
81. Energy range of data set does not match cross section range
reaction label 32: n[multiplicity:'2'] + Cm245 + gamma / Product: gamma_d / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6484050.0 -> 20000000.0)
82. Energy range of data set does not match cross section range
reaction label 32: n[multiplicity:'2'] + Cm245 + gamma / Product: gamma_d / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6484050.0 -> 20000000.0)
83. Energy range of data set does not match cross section range
reaction label 32: n[multiplicity:'2'] + Cm245 + gamma / Product: gamma_e / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7000000.0 -> 20000000.0) vs (6484050.0 -> 20000000.0)
84. Energy range of data set does not match cross section range
reaction label 32: n[multiplicity:'2'] + Cm245 + gamma / Product: gamma_e / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7000000.0 -> 20000000.0) vs (6484050.0 -> 20000000.0)

85. Energy range of data set does not match cross section range
reaction label 32: n[multiplicity:'2'] + Cm245 + gamma / Product: gamma_f / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6484050.0 -> 20000000.0)

86. Energy range of data set does not match cross section range
reaction label 32: n[multiplicity:'2'] + Cm245 + gamma / Product: gamma_f / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6484050.0 -> 20000000.0)

87. Energy range of data set does not match cross section range
reaction label 32: n[multiplicity:'2'] + Cm245 + gamma / Product: gamma_g / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (7000000.0 -> 20000000.0) vs (6484050.0 -> 20000000.0)

88. Energy range of data set does not match cross section range
reaction label 32: n[multiplicity:'2'] + Cm245 + gamma / Product: gamma_g / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (7000000.0 -> 20000000.0) vs (6484050.0 -> 20000000.0)

89. Energy range of data set does not match cross section range
reaction label 32: n[multiplicity:'2'] + Cm245 + gamma / Product: gamma_h / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (7000000.0 -> 20000000.0) vs (6484050.0 -> 20000000.0)

90. Energy range of data set does not match cross section range
reaction label 32: n[multiplicity:'2'] + Cm245 + gamma / Product: gamma_h / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (7000000.0 -> 20000000.0) vs (6484050.0 -> 20000000.0)

91. Energy range of data set does not match cross section range
reaction label 32: n[multiplicity:'2'] + Cm245 + gamma / Product: gamma_i / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6484050.0 -> 20000000.0)

92. Energy range of data set does not match cross section range
reaction label 32: n[multiplicity:'2'] + Cm245 + gamma / Product: gamma_i / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6484050.0 -> 20000000.0)

93. Energy range of data set does not match cross section range
reaction label 32: n[multiplicity:'2'] + Cm245 + gamma / Product: gamma_j / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6484050.0 -> 20000000.0)

94. Energy range of data set does not match cross section range
reaction label 32: n[multiplicity:'2'] + Cm245 + gamma / Product: gamma_j / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6484050.0 -> 20000000.0)
95. Energy range of data set does not match cross section range
reaction label 32: n[multiplicity:'2'] + Cm245 + gamma / Product: gamma_k / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6484050.0 -> 20000000.0)
96. Energy range of data set does not match cross section range
reaction label 32: n[multiplicity:'2'] + Cm245 + gamma / Product: gamma_k / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6484050.0 -> 20000000.0)
97. Energy range of data set does not match cross section range
reaction label 32: n[multiplicity:'2'] + Cm245 + gamma / Product: gamma_l / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7000000.0 -> 20000000.0) vs (6484050.0 -> 20000000.0)
98. Energy range of data set does not match cross section range
reaction label 32: n[multiplicity:'2'] + Cm245 + gamma / Product: gamma_l / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7000000.0 -> 20000000.0) vs (6484050.0 -> 20000000.0)
99. Energy range of data set does not match cross section range
reaction label 32: n[multiplicity:'2'] + Cm245 + gamma / Product: gamma_m / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7000000.0 -> 20000000.0) vs (6484050.0 -> 20000000.0)
100. Energy range of data set does not match cross section range
reaction label 32: n[multiplicity:'2'] + Cm245 + gamma / Product: gamma_m / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7000000.0 -> 20000000.0) vs (6484050.0 -> 20000000.0)
101. Energy range of data set does not match cross section range
reaction label 32: n[multiplicity:'2'] + Cm245 + gamma / Product: gamma_n / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6484050.0 -> 20000000.0)
102. Energy range of data set does not match cross section range
reaction label 32: n[multiplicity:'2'] + Cm245 + gamma / Product: gamma_n / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6484050.0 -> 20000000.0)

103. Energy range of data set does not match cross section range
reaction label 32: n[multiplicity:'2'] + Cm245 + gamma / Product: gamma_o / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6484050.0 -> 20000000.0)
104. Energy range of data set does not match cross section range
reaction label 32: n[multiplicity:'2'] + Cm245 + gamma / Product: gamma_o / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6484050.0 -> 20000000.0)
105. Energy range of data set does not match cross section range
reaction label 32: n[multiplicity:'2'] + Cm245 + gamma / Product: gamma_p / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6484050.0 -> 20000000.0)
106. Energy range of data set does not match cross section range
reaction label 32: n[multiplicity:'2'] + Cm245 + gamma / Product: gamma_p / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6484050.0 -> 20000000.0)
107. Energy range of data set does not match cross section range
reaction label 32: n[multiplicity:'2'] + Cm245 + gamma / Product: gamma_q / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6484050.0 -> 20000000.0)
108. Energy range of data set does not match cross section range
reaction label 32: n[multiplicity:'2'] + Cm245 + gamma / Product: gamma_q / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6484050.0 -> 20000000.0)
109. Energy range of data set does not match cross section range
reaction label 32: n[multiplicity:'2'] + Cm245 + gamma / Product: gamma_r / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7000000.0 -> 20000000.0) vs (6484050.0 -> 20000000.0)
110. Energy range of data set does not match cross section range
reaction label 32: n[multiplicity:'2'] + Cm245 + gamma / Product: gamma_r / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7000000.0 -> 20000000.0) vs (6484050.0 -> 20000000.0)
111. Energy range of data set does not match cross section range
reaction label 32: n[multiplicity:'2'] + Cm245 + gamma / Product: gamma_s / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6484050.0 -> 20000000.0)

112. Energy range of data set does not match cross section range
reaction label 32: n[multiplicity:'2'] + Cm245 + gamma / Product: gamma_s / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6484050.0 -> 20000000.0)
113. Energy range of data set does not match cross section range
reaction label 32: n[multiplicity:'2'] + Cm245 + gamma / Product: gamma_t / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7000000.0 -> 20000000.0) vs (6484050.0 -> 20000000.0)
114. Energy range of data set does not match cross section range
reaction label 32: n[multiplicity:'2'] + Cm245 + gamma / Product: gamma_t / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7000000.0 -> 20000000.0) vs (6484050.0 -> 20000000.0)
115. Energy range of data set does not match cross section range
reaction label 32: n[multiplicity:'2'] + Cm245 + gamma / Product: gamma_u / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6484050.0 -> 20000000.0)
116. Energy range of data set does not match cross section range
reaction label 32: n[multiplicity:'2'] + Cm245 + gamma / Product: gamma_u / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6484050.0 -> 20000000.0)
117. Energy range of data set does not match cross section range
reaction label 32: n[multiplicity:'2'] + Cm245 + gamma / Product: gamma_v / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6484050.0 -> 20000000.0)
118. Energy range of data set does not match cross section range
reaction label 32: n[multiplicity:'2'] + Cm245 + gamma / Product: gamma_v / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6484050.0 -> 20000000.0)
119. Energy range of data set does not match cross section range
reaction label 32: n[multiplicity:'2'] + Cm245 + gamma / Product: gamma_w / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7000000.0 -> 20000000.0) vs (6484050.0 -> 20000000.0)
120. Energy range of data set does not match cross section range
reaction label 32: n[multiplicity:'2'] + Cm245 + gamma / Product: gamma_w / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7000000.0 -> 20000000.0) vs (6484050.0 -> 20000000.0)

121. Energy range of data set does not match cross section range
reaction label 32: n[multiplicity:'2'] + Cm245 + gamma / Product: gamma_x / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7000000.0 -> 20000000.0) vs (6484050.0 -> 20000000.0)
122. Energy range of data set does not match cross section range
reaction label 32: n[multiplicity:'2'] + Cm245 + gamma / Product: gamma_x / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7000000.0 -> 20000000.0) vs (6484050.0 -> 20000000.0)
123. Energy range of data set does not match cross section range
reaction label 32: n[multiplicity:'2'] + Cm245 + gamma / Product: gamma_y / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7000000.0 -> 20000000.0) vs (6484050.0 -> 20000000.0)
124. Energy range of data set does not match cross section range
reaction label 32: n[multiplicity:'2'] + Cm245 + gamma / Product: gamma_y / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7000000.0 -> 20000000.0) vs (6484050.0 -> 20000000.0)
125. Energy range of data set does not match cross section range
reaction label 32: n[multiplicity:'2'] + Cm245 + gamma / Product: gamma_z / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7000000.0 -> 20000000.0) vs (6484050.0 -> 20000000.0)
126. Energy range of data set does not match cross section range
reaction label 32: n[multiplicity:'2'] + Cm245 + gamma / Product: gamma_z / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7000000.0 -> 20000000.0) vs (6484050.0 -> 20000000.0)
127. Energy range of data set does not match cross section range
reaction label 32: n[multiplicity:'2'] + Cm245 + gamma / Product: gamma_aa / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6484050.0 -> 20000000.0)
128. Energy range of data set does not match cross section range
reaction label 32: n[multiplicity:'2'] + Cm245 + gamma / Product: gamma_aa / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6484050.0 -> 20000000.0)
129. Energy range of data set does not match cross section range
reaction label 32: n[multiplicity:'2'] + Cm245 + gamma / Product: gamma_ab / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7000000.0 -> 20000000.0) vs (6484050.0 -> 20000000.0)

130. Energy range of data set does not match cross section range
reaction label 32: n[multiplicity:'2'] + Cm245 + gamma / Product: gamma_ab / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7000000.0 -> 20000000.0) vs (6484050.0 -> 20000000.0)
131. Energy range of data set does not match cross section range
reaction label 32: n[multiplicity:'2'] + Cm245 + gamma / Product: gamma_ac / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6484050.0 -> 20000000.0)
132. Energy range of data set does not match cross section range
reaction label 32: n[multiplicity:'2'] + Cm245 + gamma / Product: gamma_ac / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6484050.0 -> 20000000.0)
133. Energy range of data set does not match cross section range
reaction label 32: n[multiplicity:'2'] + Cm245 + gamma / Product: gamma_ad / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6484050.0 -> 20000000.0)
134. Energy range of data set does not match cross section range
reaction label 32: n[multiplicity:'2'] + Cm245 + gamma / Product: gamma_ad / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6484050.0 -> 20000000.0)
135. Energy range of data set does not match cross section range
reaction label 32: n[multiplicity:'2'] + Cm245 + gamma / Product: gamma_ae / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6484050.0 -> 20000000.0)
136. Energy range of data set does not match cross section range
reaction label 32: n[multiplicity:'2'] + Cm245 + gamma / Product: gamma_ae / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6484050.0 -> 20000000.0)
137. Energy range of data set does not match cross section range
reaction label 32: n[multiplicity:'2'] + Cm245 + gamma / Product: gamma_af / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6484050.0 -> 20000000.0)
138. Energy range of data set does not match cross section range
reaction label 32: n[multiplicity:'2'] + Cm245 + gamma / Product: gamma_af / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6484050.0 -> 20000000.0)

139. Energy range of data set does not match cross section range
reaction label 32: n[multiplicity:'2'] + Cm245 + gamma / Product: gamma_ag / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6484050.0 -> 20000000.0)
140. Energy range of data set does not match cross section range
reaction label 32: n[multiplicity:'2'] + Cm245 + gamma / Product: gamma_ag / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6484050.0 -> 20000000.0)
141. Calculated and tabulated Q values disagree.
reaction label 33: n[multiplicity:'3'] + Cm244 + gamma (Error # 0): Q mismatch
- WARNING: Calculated and tabulated Q-values disagree: -12342501.01379395 eV vs -1.19778e7 eV!
142. Energy range of data set does not match cross section range
reaction label 33: n[multiplicity:'3'] + Cm244 + gamma / Product: gamma_a / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (13000000.0 -> 20000000.0) vs (12026900.0 -> 20000000.0)
143. Energy range of data set does not match cross section range
reaction label 33: n[multiplicity:'3'] + Cm244 + gamma / Product: gamma_a / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (13000000.0 -> 20000000.0) vs (12026900.0 -> 20000000.0)
144. Energy range of data set does not match cross section range
reaction label 33: n[multiplicity:'3'] + Cm244 + gamma / Product: gamma_b / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (14000000.0 -> 20000000.0) vs (12026900.0 -> 20000000.0)
145. Energy range of data set does not match cross section range
reaction label 33: n[multiplicity:'3'] + Cm244 + gamma / Product: gamma_b / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (14000000.0 -> 20000000.0) vs (12026900.0 -> 20000000.0)
146. Energy range of data set does not match cross section range
reaction label 33: n[multiplicity:'3'] + Cm244 + gamma / Product: gamma_c / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (13000000.0 -> 20000000.0) vs (12026900.0 -> 20000000.0)
147. Energy range of data set does not match cross section range
reaction label 33: n[multiplicity:'3'] + Cm244 + gamma / Product: gamma_c / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (13000000.0 -> 20000000.0) vs (12026900.0 -> 20000000.0)

148. Energy range of data set does not match cross section range
reaction label 33: n[multiplicity:'3'] + Cm244 + gamma / Product: gamma_d / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (13000000.0 -> 20000000.0) vs (12026900.0 -> 20000000.0)
149. Energy range of data set does not match cross section range
reaction label 33: n[multiplicity:'3'] + Cm244 + gamma / Product: gamma_d / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (13000000.0 -> 20000000.0) vs (12026900.0 -> 20000000.0)
150. Energy range of data set does not match cross section range
reaction label 33: n[multiplicity:'3'] + Cm244 + gamma / Product: gamma_e / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (13500000.0 -> 20000000.0) vs (12026900.0 -> 20000000.0)
151. Energy range of data set does not match cross section range
reaction label 33: n[multiplicity:'3'] + Cm244 + gamma / Product: gamma_e / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (13500000.0 -> 20000000.0) vs (12026900.0 -> 20000000.0)
152. Energy range of data set does not match cross section range
reaction label 33: n[multiplicity:'3'] + Cm244 + gamma / Product: gamma_f / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (14000000.0 -> 20000000.0) vs (12026900.0 -> 20000000.0)
153. Energy range of data set does not match cross section range
reaction label 33: n[multiplicity:'3'] + Cm244 + gamma / Product: gamma_f / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (14000000.0 -> 20000000.0) vs (12026900.0 -> 20000000.0)
154. Energy range of data set does not match cross section range
reaction label 33: n[multiplicity:'3'] + Cm244 + gamma / Product: gamma_g / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (14000000.0 -> 20000000.0) vs (12026900.0 -> 20000000.0)
155. Energy range of data set does not match cross section range
reaction label 33: n[multiplicity:'3'] + Cm244 + gamma / Product: gamma_g / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (14000000.0 -> 20000000.0) vs (12026900.0 -> 20000000.0)
156. Energy range of data set does not match cross section range
reaction label 33: n[multiplicity:'3'] + Cm244 + gamma / Product: gamma_h / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (14000000.0 -> 20000000.0) vs (12026900.0 -> 20000000.0)

157. Energy range of data set does not match cross section range
reaction label 33: n[multiplicity:'3'] + Cm244 + gamma / Product: gamma_h / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (14000000.0 -> 20000000.0) vs (12026900.0 -> 20000000.0)
158. Energy range of data set does not match cross section range
reaction label 33: n[multiplicity:'3'] + Cm244 + gamma / Product: gamma_i / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (14000000.0 -> 20000000.0) vs (12026900.0 -> 20000000.0)
159. Energy range of data set does not match cross section range
reaction label 33: n[multiplicity:'3'] + Cm244 + gamma / Product: gamma_i / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (14000000.0 -> 20000000.0) vs (12026900.0 -> 20000000.0)
160. Energy range of data set does not match cross section range
reaction label 33: n[multiplicity:'3'] + Cm244 + gamma / Product: gamma_j / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (14000000.0 -> 20000000.0) vs (12026900.0 -> 20000000.0)
161. Energy range of data set does not match cross section range
reaction label 33: n[multiplicity:'3'] + Cm244 + gamma / Product: gamma_j / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (14000000.0 -> 20000000.0) vs (12026900.0 -> 20000000.0)
162. Energy range of data set does not match cross section range
reaction label 33: n[multiplicity:'3'] + Cm244 + gamma / Product: gamma_k / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (14000000.0 -> 20000000.0) vs (12026900.0 -> 20000000.0)
163. Energy range of data set does not match cross section range
reaction label 33: n[multiplicity:'3'] + Cm244 + gamma / Product: gamma_k / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (14000000.0 -> 20000000.0) vs (12026900.0 -> 20000000.0)
164. Energy range of data set does not match cross section range
reaction label 33: n[multiplicity:'3'] + Cm244 + gamma / Product: gamma_l / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (14000000.0 -> 20000000.0) vs (12026900.0 -> 20000000.0)
165. Energy range of data set does not match cross section range
reaction label 33: n[multiplicity:'3'] + Cm244 + gamma / Product: gamma_l / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (14000000.0 -> 20000000.0) vs (12026900.0 -> 20000000.0)

166. Energy range of data set does not match cross section range
reaction label 33: n[multiplicity:'3'] + Cm244 + gamma / Product: gamma_m / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (14000000.0 -> 20000000.0) vs (12026900.0 -> 20000000.0)
167. Energy range of data set does not match cross section range
reaction label 33: n[multiplicity:'3'] + Cm244 + gamma / Product: gamma_m / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (14000000.0 -> 20000000.0) vs (12026900.0 -> 20000000.0)
168. Energy range of data set does not match cross section range
reaction label 33: n[multiplicity:'3'] + Cm244 + gamma / Product: gamma_n / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (14000000.0 -> 20000000.0) vs (12026900.0 -> 20000000.0)
169. Energy range of data set does not match cross section range
reaction label 33: n[multiplicity:'3'] + Cm244 + gamma / Product: gamma_n / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (14000000.0 -> 20000000.0) vs (12026900.0 -> 20000000.0)
170. Energy range of data set does not match cross section range
reaction label 33: n[multiplicity:'3'] + Cm244 + gamma / Product: gamma_o / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (14000000.0 -> 20000000.0) vs (12026900.0 -> 20000000.0)
171. Energy range of data set does not match cross section range
reaction label 33: n[multiplicity:'3'] + Cm244 + gamma / Product: gamma_o / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (14000000.0 -> 20000000.0) vs (12026900.0 -> 20000000.0)
172. Energy range of data set does not match cross section range
reaction label 33: n[multiplicity:'3'] + Cm244 + gamma / Product: gamma_p / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (14000000.0 -> 20000000.0) vs (12026900.0 -> 20000000.0)
173. Energy range of data set does not match cross section range
reaction label 33: n[multiplicity:'3'] + Cm244 + gamma / Product: gamma_p / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (14000000.0 -> 20000000.0) vs (12026900.0 -> 20000000.0)
174. Energy range of data set does not match cross section range
reaction label 33: n[multiplicity:'3'] + Cm244 + gamma / Product: gamma_q / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (14000000.0 -> 20000000.0) vs (12026900.0 -> 20000000.0)

175. Energy range of data set does not match cross section range
reaction label 33: n[multiplicity:'3'] + Cm244 + gamma / Product: gamma_q / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (14000000.0 -> 20000000.0) vs (12026900.0 -> 20000000.0)
176. Calculated and tabulated Q values disagree.
reaction label 35: Cm247 + gamma (Error # 0): Q mismatch
- WARNING: Calculated and tabulated Q-values disagree: 4791200.420166016 eV vs 5155860. eV!
177. Multiplicity does not match sum of linked product multiplicities!
multiplicitySum label 33: n + (Cm246_c -> Cm246 + gamma) total gamma multiplicity (Error # 0): summedMultiplicityMismatch
- WARNING: Multiplicity does not match sum of linked product multiplicities! Max diff: 43.20%
178. Multiplicity does not match sum of linked product multiplicities!
multiplicitySum label 34: n[multiplicity:'2'] + Cm245 + gamma total gamma multiplicity (Error # 0): summedMultiplicityMismatch
- WARNING: Multiplicity does not match sum of linked product multiplicities! Max diff: 99.99%
179. Multiplicity does not match sum of linked product multiplicities!
multiplicitySum label 35: n[multiplicity:'3'] + Cm244 + gamma total gamma multiplicity (Error # 0): summedMultiplicityMismatch
- WARNING: Multiplicity does not match sum of linked product multiplicities! Max diff: 99.98%
180. Calculated and tabulated Q values disagree.
fissionComponent label 0: /reactionSuite/fissionComponents/fissionComponent[@label='0'] (Error # 0): Q mismatch
- WARNING: Calculated and tabulated Q-values disagree: 230149354710.1261 eV vs 2.1053e8 eV!
181. Calculated and tabulated Q values disagree.
fissionComponent label 1: /reactionSuite/fissionComponents/fissionComponent[@label='1'] (Error # 0): Q mismatch
- WARNING: Calculated and tabulated Q-values disagree: 230149354710.1261 eV vs 2.1053e8 eV!
182. Calculated and tabulated Q values disagree.
fissionComponent label 2: /reactionSuite/fissionComponents/fissionComponent[@label='2'] (Error # 0): Q mismatch
- WARNING: Calculated and tabulated Q-values disagree: 230149354710.1261 eV vs 2.1053e8 eV!
183. Calculated and tabulated Q values disagree.
fissionComponent label 3: /reactionSuite/fissionComponents/fissionComponent[@label='3'] (Error # 0): Q mismatch
- WARNING: Calculated and tabulated Q-values disagree: 230149354710.1261 eV vs 2.1053e8 eV!

184. A covariance matrix was not positive semi-definite, so it has negative eigenvalues.
Section 41 (n + Cm246 [angular distribution]): / Form 'eval': / LegendreLValue L=1 vs 1 (Error # 0): Bad evs

```
WARNING: 9 negative eigenvalues! Worst case = -3.694559e-05
```

- **njoy2012** Warnings:

1. In some evaluations, the partial fission reactions MT=19, 20, 21, and 38 are given in File 3, but no corresponding distributions are given. In these cases, it is assumed that MT=18 should be used for the fission neutron distributions.
heatr...prompt kerma (0): HEATR/hinit (3)

```
---message from hinit---mt19 has no spectrum
mt18 spectrum will be used.
```

2. Recoil is not given, so one-particle recoil approximation used.
heatr...prompt kerma (1): HEATR/hinit (4)

```
---message from hinit---mf6, mt 16 does not give recoil za= 96245
one-particle recoil approx. used.
```

3. Recoil is not given, so one-particle recoil approximation used.
heatr...prompt kerma (2): HEATR/hinit (4)

```
---message from hinit---mf6, mt 17 does not give recoil za= 96244
one-particle recoil approx. used.
```

4. Recoil is not given, so one-particle recoil approximation used.
heatr...prompt kerma (3): HEATR/hinit (4)

```
---message from hinit---mf6, mt 51 does not give recoil za= 96246
one-particle recoil approx. used.
```

5. Recoil is not given, so one-particle recoil approximation used.
heatr...prompt kerma (4): HEATR/hinit (4)

```
---message from hinit---mf6, mt 52 does not give recoil za= 96246
one-particle recoil approx. used.
```

6. Recoil is not given, so one-particle recoil approximation used.
heatr...prompt kerma (5): HEATR/hinit (4)

```
---message from hinit---mf6, mt 53 does not give recoil za= 96246
one-particle recoil approx. used.
```

7. Recoil is not given, so one-particle recoil approximation used.
heatr...prompt kerma (6): HEATR/hinit (4)

```
---message from hinit---mf6, mt 54 does not give recoil za= 96246
one-particle recoil approx. used.
```

8. Recoil is not given, so one-particle recoil approximation used.
heatr...prompt kerma (7): HEATR/hinit (4)

---message from hinit---mf6, mt 55 does not give recoil za= 96246
one-particle recoil approx. used.

9. Recoil is not given, so one-particle recoil approximation used.
heatr...prompt kerma (8): HEATR/hinit (4)

---message from hinit---mf6, mt 56 does not give recoil za= 96246
one-particle recoil approx. used.

10. Recoil is not given, so one-particle recoil approximation used.
heatr...prompt kerma (9): HEATR/hinit (4)

---message from hinit---mf6, mt 57 does not give recoil za= 96246
one-particle recoil approx. used.

11. Recoil is not given, so one-particle recoil approximation used.
heatr...prompt kerma (10): HEATR/hinit (4)

---message from hinit---mf6, mt 58 does not give recoil za= 96246
one-particle recoil approx. used.

12. Recoil is not given, so one-particle recoil approximation used.
heatr...prompt kerma (11): HEATR/hinit (4)

---message from hinit---mf6, mt 59 does not give recoil za= 96246
one-particle recoil approx. used.

13. Recoil is not given, so one-particle recoil approximation used.
heatr...prompt kerma (12): HEATR/hinit (4)

---message from hinit---mf6, mt 60 does not give recoil za= 96246
one-particle recoil approx. used.

14. Recoil is not given, so one-particle recoil approximation used.
heatr...prompt kerma (13): HEATR/hinit (4)

---message from hinit---mf6, mt 61 does not give recoil za= 96246
one-particle recoil approx. used.

15. Recoil is not given, so one-particle recoil approximation used.
heatr...prompt kerma (14): HEATR/hinit (4)

---message from hinit---mf6, mt 62 does not give recoil za= 96246
one-particle recoil approx. used.

16. Recoil is not given, so one-particle recoil approximation used.
heatr...prompt kerma (15): HEATR/hinit (4)

---message from hinit---mf6, mt 63 does not give recoil za= 96246
one-particle recoil approx. used.

17. Recoil is not given, so one-particle recoil approximation used.
heatr...prompt kerma (16): HEATR/hinit (4)

---message from hinit---mf6, mt 64 does not give recoil za= 96246
one-particle recoil approx. used.

18. Recoil is not given, so one-particle recoil approximation used.
heatr...prompt kerma (17): HEATR/hinit (4)

```
---message from hinit---mf6, mt 65 does not give recoil za= 96246
one-particle recoil approx. used.
```

19. Recoil is not given, so one-particle recoil approximation used.
heatr...prompt kerma (18): HEATR/hinit (4)

```
---message from hinit---mf6, mt 66 does not give recoil za= 96246
one-particle recoil approx. used.
```

20. Recoil is not given, so one-particle recoil approximation used.
heatr...prompt kerma (19): HEATR/hinit (4)

```
---message from hinit---mf6, mt 67 does not give recoil za= 96246
one-particle recoil approx. used.
```

21. Recoil is not given, so one-particle recoil approximation used.
heatr...prompt kerma (20): HEATR/hinit (4)

```
---message from hinit---mf6, mt 68 does not give recoil za= 96246
one-particle recoil approx. used.
```

22. Recoil is not given, so one-particle recoil approximation used.
heatr...prompt kerma (21): HEATR/hinit (4)

```
---message from hinit---mf6, mt 69 does not give recoil za= 96246
one-particle recoil approx. used.
```

23. Recoil is not given, so one-particle recoil approximation used.
heatr...prompt kerma (22): HEATR/hinit (4)

```
---message from hinit---mf6, mt 70 does not give recoil za= 96246
one-particle recoil approx. used.
```

24. Recoil is not given, so one-particle recoil approximation used.
heatr...prompt kerma (23): HEATR/hinit (4)

```
---message from hinit---mf6, mt 71 does not give recoil za= 96246
one-particle recoil approx. used.
```

25. Recoil is not given, so one-particle recoil approximation used.
heatr...prompt kerma (24): HEATR/hinit (4)

```
---message from hinit---mf6, mt 72 does not give recoil za= 96246
one-particle recoil approx. used.
```

26. Recoil is not given, so one-particle recoil approximation used.
heatr...prompt kerma (25): HEATR/hinit (4)

```
---message from hinit---mf6, mt 73 does not give recoil za= 96246
one-particle recoil approx. used.
```

27. Recoil is not given, so one-particle recoil approximation used.
heatr...prompt kerma (26): HEATR/hinit (4)

---message from hinit---mf6, mt 74 does not give recoil za= 96246
one-particle recoil approx. used.

28. Recoil is not given, so one-particle recoil approximation used.
heatr...prompt kerma (27): HEATR/hinit (4)

---message from hinit---mf6, mt 75 does not give recoil za= 96246
one-particle recoil approx. used.

29. Recoil is not given, so one-particle recoil approximation used.
heatr...prompt kerma (28): HEATR/hinit (4)

---message from hinit---mf6, mt 76 does not give recoil za= 96246
one-particle recoil approx. used.

30. Recoil is not given, so one-particle recoil approximation used.
heatr...prompt kerma (29): HEATR/hinit (4)

---message from hinit---mf6, mt 77 does not give recoil za= 96246
one-particle recoil approx. used.

31. Recoil is not given, so one-particle recoil approximation used.
heatr...prompt kerma (30): HEATR/hinit (4)

---message from hinit---mf6, mt 78 does not give recoil za= 96246
one-particle recoil approx. used.

32. Recoil is not given, so one-particle recoil approximation used.
heatr...prompt kerma (31): HEATR/hinit (4)

---message from hinit---mf6, mt 79 does not give recoil za= 96246
one-particle recoil approx. used.

33. Recoil is not given, so one-particle recoil approximation used.
heatr...prompt kerma (32): HEATR/hinit (4)

---message from hinit---mf6, mt 80 does not give recoil za= 96246
one-particle recoil approx. used.

34. Recoil is not given, so one-particle recoil approximation used.
heatr...prompt kerma (33): HEATR/hinit (4)

---message from hinit---mf6, mt 91 does not give recoil za= 96246
one-particle recoil approx. used.

35. Recoil is not given, so one-particle recoil approximation used.
heatr...prompt kerma (34): HEATR/hinit (4)

---message from hinit---mf6, mt102 does not give recoil za= 96247
photon momentum recoil used.

36. There is a problem with the fission energy release.
heatr...prompt kerma (35): HEATR/nheat (3)

---message from nheat---changed q from 2.105300E+08 to 1.983760E+08
for mt 18

- **xsectplotter** Errors:

1. Duplicate Eout in outgoing distribution
(Error # 2): Bad Eout

```
WARNING: skipping duplicate e_out = 5155960.0, i1 = 129 1 100.0
WARNING: skipping duplicate e_out = 5160840.0, i1 = 129 9 5000.0
```